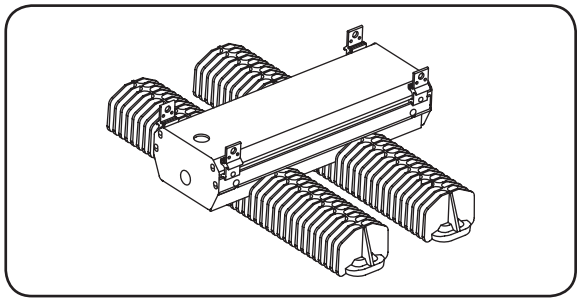
GE
Lighting Solutions

Installation Guide

Albeo™ LED Luminaire

Modular High & Low Bay Lighting
ABHG-Series UL Certified



BEFORE YOU BEGIN

Read these instructions completely and carefully.

⚠ WARNING/AVERTISSEMENT	
RISK OF ELECTRIC SHOCK	**RISQUES DE DÉCHARGES ÉLECTRIQUES**
• Turn power off before inspection, installation or removal.	• Coupez l'alimentation avant d"inspecter, installer ou déplacer le luminaire.
• Properly ground electrical enclosure.	• Assurez-vous de correctement mettre à la terre le boîtier d'alimentation électrique.
RISK OF FIRE	**RISQUES D'INCENDIE**
• Follow all NEC and local codes.	• Respectez tous les codes NEC et codes locaux.
• Use only UL or IEC approved wire for input/output connections. Minimum size 18 AWG.	• N'utilisez que des fils approuvés par UL ou IEC pour les entrées/sorties de connexion. Taille minimum 18 AWG.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. CAN ICES-3 (A)/NMB-3(A)

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Save These Instructions

Use only in the manner intended by the manufacturer. If you have any questions, contact the manufacturer.

Prepare Electrical Wiring

Electrical Requirements

• The LED driver must be supplied with 120-480 VAC, 50/60 Hz per product label and connected to an individual properly grounded branch circuit, protected by a 15 or 20 ampere circuit breaker.

Grounding Instructions

• The grounding and bonding of the overall system shall be done in accordance with National Electric Code (NEC) Article 600 and local codes.

imagination at work

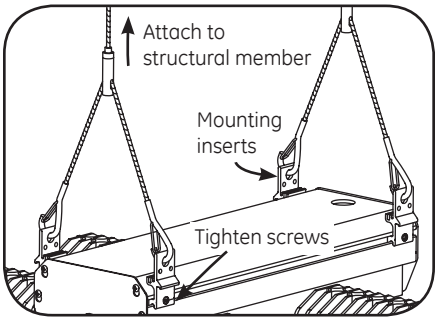
Unit Installation

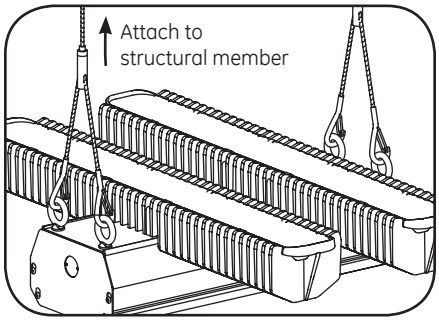
1. Carefully unpack unit and properly inspect for defects before installing. Wear work gloves to prevent dirt and oil from being transferred to the luminaire.

2. Select the appropriate mounting method based on the ordering number logic chosen. Chain or cable is covered here. Other options are covered in the section **Optional Mounting Methods**.

Fixture Weight

ABHG-series LED Modules	Max. Weight
1 module	13 lbs.
2 modules	17 lbs.
3 modules	31 lbs.
4 modules	36 lbs.





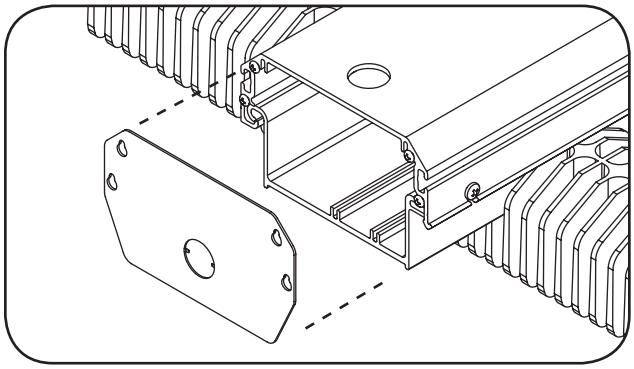
3. **Chain or Cable Mounting:** Please follow all UL, NEC and minimum load rating guidelines when selecting and installing a cable or chain.

   NOTE: When selecting chain, a joint in a circular chain link shall be welded. A joint in a chain link of another shape shall not be located within 30 degrees of the vertical unless welded.

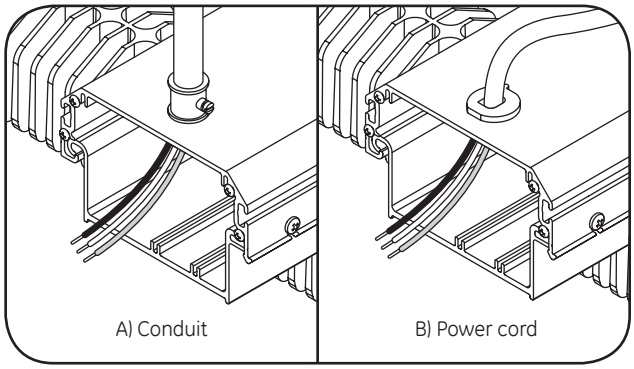
4. **Direct Mounting:** Hang two chains/cables from a structural member of the ceiling. Fixture must be supported independently of an outlet box. Tighten adjustment screws on all four mounting inserts, then attach chain or cable to mounting inserts on both ends of fixture.

5. **Indirect Mounting for Uplighting:** Hang two chains/cables from a structural member of the ceiling. Fixture must be supported independently of an outlet box. Attach chain or cable to eye bolt mounts on both ends of fixture.

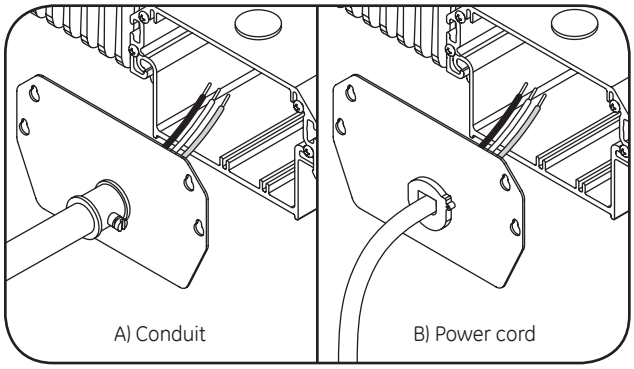
Electrical Connections (120/277V)



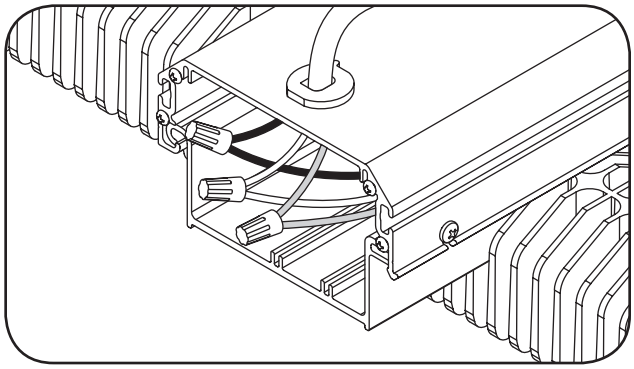
1. Loosen screws to remove endcap.



2. **Option: power input from top –** A) Install 1/2" conduit, or B) install AC power cord with strain relief.

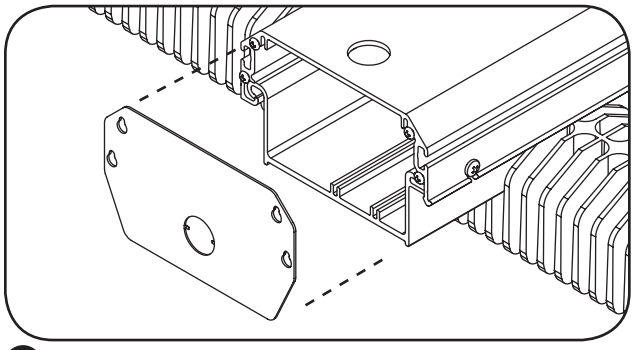


3. **Option: power input from side –** Remove knockout in endcap and A) Install 1/2" conduit, or B) install AC power cord with strain relief. Plug unused hole on top with appropriate fitting.

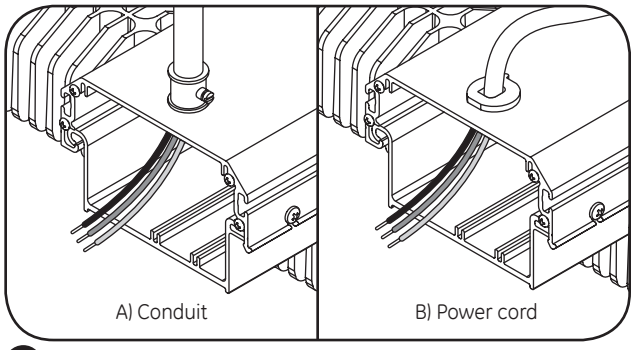


4. Connect the green (ground), black (line) and white (neutral) wires of the AC line to the similarly colored wires of the fixture's power supply using UL listed wire connectors. Reattach endcap.

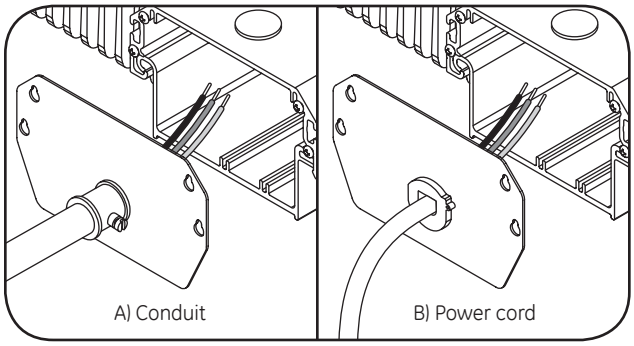
Electrical Connections (347/480V)



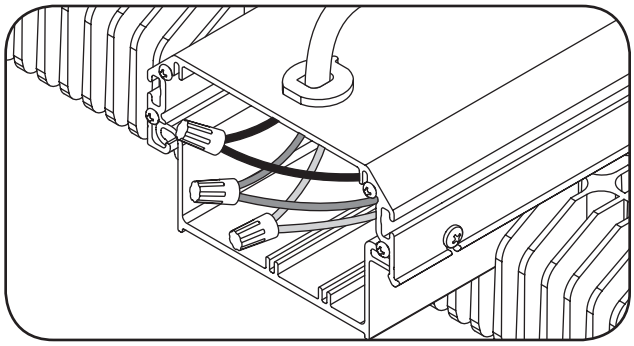
1 Loosen screws to remove endcap.



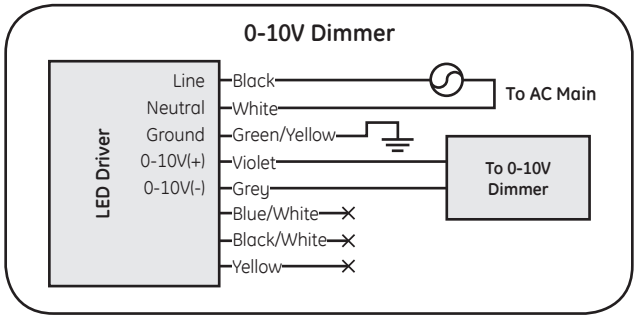
2 **Option: power input from top –** A) Install 1/2" conduit, or B) install AC power cord with strain relief.



3 **Option: power input from side –** Remove knockout in endcap and A) Install 1/2" conduit, or B) install AC power cord with strain relief. Plug unused hole on top with appropriate fitting.



4 Using UL listed wire connectors, connect AC source green to fixture green (ground), and AC black and red to fixture black and red. Reattach endcap.



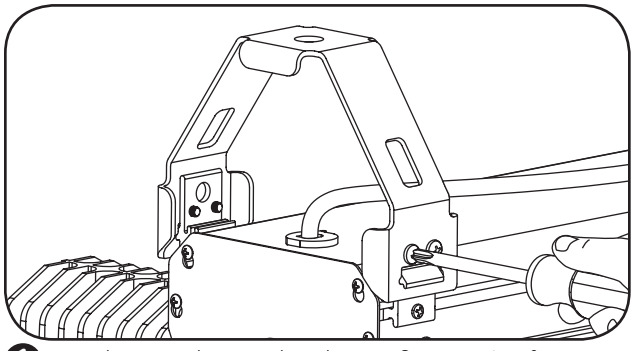
Optional Installation: 0-10V Volt Dimming

Run wires from controller through a different knockout than the AC input wire. At output side of LED driver, make appropriate connections using twist-on wire connectors. Follow lighting controller installation instructions.

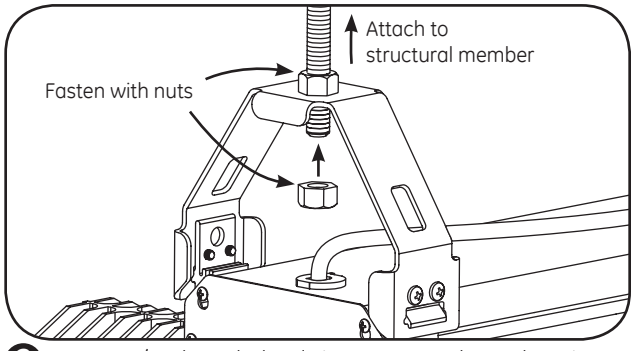
Note: Daisy chaining the 0-10V wires from fixture to fixture for the 347-480V versions of ABHG is not allowed.

Optional Mounting Methods

OPTION A Rod Mount Kit



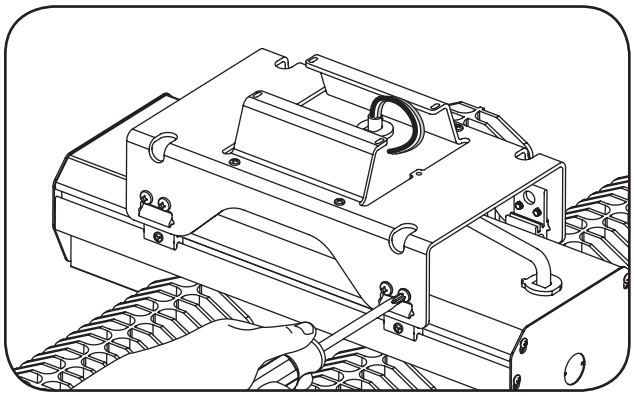
1 Attach two rod mount brackets to fixture using four 10-32 x 3/8" pan head screws per bracket.



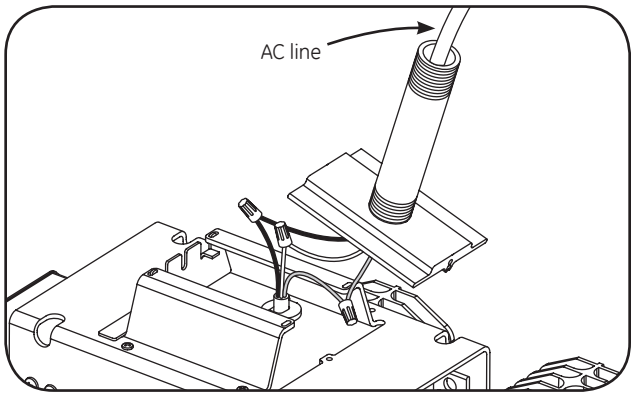
2 Secure 1/2" threaded rods into structural members in ceiling. Place a nut on each threaded rod where fixture should hang. Slide fixture onto threaded rods and tighten second nut onto rods to secure fixture.

OPTION B Pendant Mount Kit

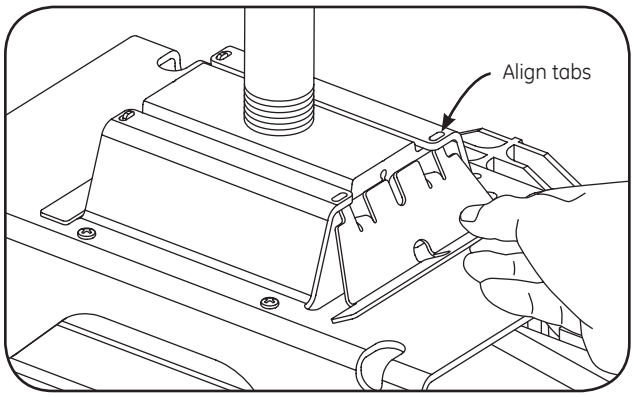
NOTE: Pendant Mount Kit cannot be used with the 6-module fixture.



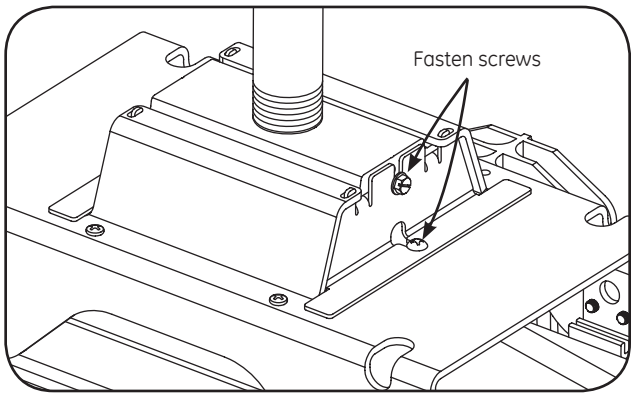
1 Attach pendant mount bracket assembly to four mounting inserts on the fixture with (8) 10-32 x 3/8" Philips pan head screws.



2 Attach top plate to 3/4" conduit and pass AC input wires through conduit, top plate, and locking nut (if used). Connect the AC input wires to the fixture wires coming from the strain relief in the main bracket assembly bottom plate.



3 Slide top plate into main bracket. Align top tabs of end plate with slots in main bracket and push endplate into place.



4 Fasten endplate to bracket with a 8-32 x 1/4" Philips pan head screw. Fasten endplate to mounting hub with a 6-32 x 1/2" hex head screw.

Troubleshooting

Symptom	Solution
Luminaire will not turn on.	• Check that the color of the supply side wires match the color of the wires they are connected to. • Check that all wire connectors are properly connected. • Verify that your input voltage is within specs. • If you are using any additional controls i.e. wireless controls/motion sensors, please also verify that those are working properly and that the unit is setup to interface with the controllers.
Mounting insert slides from side to side.	• Check that the mounting insert is properly tightened using the adjustment screws provided.
Endplate of Pendant Mount Kit does not snap in place.	• Check that the top plate is properly slotted in main bracket. • Check that endplate tabs are properly aligned in pendant mount bracket assembly. • Check that endplate is pushed firmly into place.

Conforms to the following standards:
UL 1598 Suitable for Damp Locations

c UL us

GE Lighting • 1-888-MY-GE-LED **(1-888-69-43-533)** • www.gelighting.com

The GE brand, logo, and Albeo are trademarks of the General Electric Company.
© 2013 GE. Information provided is subject to change without notice. All values are design or typical values when measured under laboratory conditions.